AMENDMENTS TO THE CLAIMS

1. **(Currently Amended)** A control apparatus using a brain wave signal, said apparatus comprising:

a first storing unit for pre-storing operation descriptions, which are descriptions of a plurality of types of operations to be performed on an apparatus to be controlled, and a plurality of brain wave patterns being respectively associated with the operation descriptions;

a second storing unit for pre-storing a plurality of control data each of which is used for causing an apparatus to be controlled to carry out an operation specified by a corresponding operation description stored in said first storing unit;

a brain wave detecting unit for detecting a brain wave signal from a user's head;

a brain wave pattern generating unit for generating a brain wave pattern based on the brain wave signal detected by said brain wave detecting unit;

a brain wave pattern comparison unit for comparing the brain wave pattern generated by said brain wave pattern generating unit with the plurality of brain wave patterns stored in said first storing unit, and for, when there exists a brain wave pattern substantially matching the generated brain wave pattern in said first storing unit, identifying an operation description associated with this brain wave pattern substantially matching the generated brain wave pattern; and

a signal processing unit for reading control data corresponding to said identified operation description from said second storing unit so as to generate a control signal causing an apparatus to be controlled to carry out an operation specified by said identified operation description;

wherein when receiving an instruction for associating a brain wave pattern generated by said brain wave pattern generating unit with an operation description displayed on a display unit, the operation description specifying an operation to be performed on an apparatus to be controlled, said first storing unit stores the generated brain wave pattern therein while associating it with the operation description;

wherein said display unit further displays an image corresponding to a user input key.

2. **(Original)** The control apparatus using brain wave signals according to Claim 1, wherein said apparatus to be controlled is a vehicle-mounted apparatus and said signal processing means sends out the generated control signal to the vehicle-mounted apparatus.

3. **(Canceled)**

4. **(Canceled)**

5. **(Previously Presented)** A control apparatus using a brain wave signal, said apparatus comprising:

a first storing unit for pre-storing operation descriptions, which are descriptions of a plurality of types of operations to be performed on an apparatus to be controlled, and a plurality of brain wave patterns being respectively associated with the operation descriptions;

a second storing unit for pre-storing a plurality of control data each of which is used for causing an apparatus to be controlled to carry out an operation specified by a corresponding operation description stored in said first storing unit;

a brain wave detecting unit for detecting a brain wave signal from a user's head;

a brain wave pattern generating unit for generating a brain wave pattern based on the brain wave signal detected by said brain wave detecting unit;

a brain wave pattern comparison unit for comparing the brain wave pattern generated by said brain wave pattern generating unit with the plurality of brain wave patterns stored in said first storing unit, and for, when there exists a brain wave pattern substantially matching the generated brain wave pattern in said first storing unit, identifying an operation description associated with this brain wave pattern substantially matching the generated brain wave pattern; and

a signal processing unit for reading control data corresponding to said identified operation description from said second storing unit so as to generate a control signal

causing an apparatus to be controlled to carry out an operation specified by said identified operation description;

wherein when receiving an instruction for associating a brain wave pattern generated by said brain wave pattern generating unit with an operation description displayed on a display unit, the operation description specifying an operation to be performed on an apparatus to be controlled, said first storing unit stores the generated brain wave pattern therein while associating it with the operation description; and

wherein said first storing unit has a plurality of storing areas in each of which a plurality of brain wave patterns respectively associated with a plurality of operation descriptions are stored, the plurality of storing areas being associated with a plurality of users, respectively, and said brain wave pattern comparison unit compares the brain wave pattern generated by said brain wave pattern generating unit with the plurality of brain wave patterns stored in a storing area of said first storing unit, said storing area being specified by input identification data that identifies a corresponding user.

6. **(Previously Presented)** A control apparatus using a brain wave signal, said apparatus comprising:

a first storing unit for pre-storing operation descriptions, which are descriptions of a plurality of types of operations to be performed on an apparatus to be controlled, and a plurality of brain wave patterns being respectively associated with the operation descriptions;

a second storing unit for pre-storing a plurality of control data each of which is used for causing an apparatus to be controlled to carry out an operation specified by a corresponding operation description stored in said first storing unit;

a brain wave detecting unit for detecting a brain wave signal from a user's head;

a brain wave pattern generating unit for generating a brain wave pattern based on the brain wave signal detected by said brain wave detecting unit;

a brain wave pattern comparison unit for comparing the brain wave pattern generated by said brain wave pattern generating unit with the plurality of brain wave patterns stored in said first storing unit, and for, when there exists a brain wave pattern substantially matching the generated brain wave pattern in said first storing unit, identifying an operation description associated with this brain wave pattern substantially matching the generated brain wave pattern; and

a signal processing unit for reading control data corresponding to said identified operation description from said second storing unit so as to generate a control signal causing an apparatus to be controlled to carry out an operation specified by said identified operation description;

wherein said apparatus further comprises:

a moving object information detecting unit for detecting a change of a status of a moving object; and

a security determination unit for sending out an electric wave indicating a notification that said moving object has been stolen when said moving object

information detecting unit detects a change of the status of said moving object while said brain wave detecting unit does not detect any brain wave.

7. **(Previously Presented)** The control apparatus using brain wave signals according to Claim 6, wherein said moving object information detecting unit is a position detecting unit for detecting a current position of said moving object, and, when detecting a change of the current position of said moving object by using said position detecting unit while said brain wave detecting unit does not detect any brain wave, said security determination unit sends out an electric wave indicating a notification that said moving object has been stolen.

8. **(Previously Presented)** The control apparatus using brain wave signals according to Claim 6, wherein said moving object information detecting unit is an engine start detecting unit for detecting a start of an engine of said moving object, and, when detecting a start of the engine of said moving object by using said engine start detecting unit while said brain wave detecting unit does not detect any brain wave, said security determination unit sends out an electric wave indicating a notification that said moving object has been stolen.

9. **(Previously Presented)** The control apparatus using brain wave signals according to Claim 6, wherein said moving object information detecting unit is a velocity

detecting unit for detecting a velocity of said moving object, and, when detecting a movement of said moving object by using said velocity detecting unit while said brain wave detecting unit does not detect any brain wave, said security determination unit sends out an electric wave indicating a notification that said moving object has been stolen.

10. **(Previously Presented)** The control apparatus using brain wave signals according to Claim 6, wherein said security determination unit transmits an electric wave indicating a notification that said moving object has been stolen to a predetermined management center.

11. **(Previously Presented)** The control apparatus using brain wave signals according to Claim 6, wherein said security determination unit transmits an electric wave indicating a notification that said moving object has been stolen to a predetermined communication terminal.

12. **(Previously Presented)** The control apparatus using brain wave signals according to Claim 11, wherein said predetermined communication terminal is a communication terminal owned by a user associated with identification data preset by said security determination unit.

13. **(Previously Presented)** The control apparatus using brain wave signals according to Claim 6, wherein the electric wave sent out by said security determination unit includes current position information indicating a current position of said moving object.